

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/20/2013

HMS
NMJ

Instrument Serial Number: 010467 **As of 20-Sep-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
18-Sep-13	18-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
09-Apr-13	09-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
25-Oct-12	25-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
09-May-12	09-May-12	HMS (18910)	REPLACED PRINTER, CERTIFIED, REPLACED DRY GAS STANDARD.
15-Nov-11	15-Nov-11	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Oct-11	14-Oct-11	HMS (18910)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME FACILITY, CALIBRATED AND CERTIFIED.
08-Jun-11	08-Jun-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
21-Dec-10	21-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
09-Jul-10	09-Jul-10	RJP (22428)	CERTIFIED.
17-Mar-10	21-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD.
21-Jan-10	21-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
17-Nov-09	05-Aug-09	RJP (22428)	REPLACED DRY GAS STANDARD.
05-Aug-09	05-Aug-09	RJP (22428)	CERTIFIED.
13-May-09	13-May-09	RJP (22428)	CERTIFIED.
11-May-09	11-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
01-May-09	01-May-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
22-Oct-08	22-Oct-08	RJP (22428)	CERTIFIED.
06-Oct-08	06-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HOS
Nest

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010467 Worksheet Start Date 9/18/2013

Location Alexandria Police Department

Address 2003 Mill Rd., Alexandria, VA 22314

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

2 pads

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010467

Certification Date 9/18/2013

Instrument Barometer (mm HG) 768

Reference Barometer (mm HG) 770

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.250
0.250	0.253	0.245	0.260	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.152
0.150	0.152	0.147	0.156	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.081	0.078	0.084	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-28

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.101	0.097	0.104	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

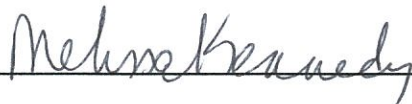
DFS Technician



Date

9/20/13

Issuing Analyst



Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

thos
NKH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/18/2013
TEST EQUIPMENT NUMBER 010467		

RESULTS: TIME SAMPLE TAKEN 10:31 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 18 Sep 2013 at 10:38

mmB
HNS
WJK

Test Results

Instrument Serial Number 010467

Test # 002019 Subject Test

Test Location 1 Department of

Test Date 18 Sep 2013

Test Location 2 Forensic Science

Test Time 10:25

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Operator's Middle Initial M

License Number 18910

Expiration Date 10/01/2014

Subject's Sex Male

End Date 18 Sep 2013 End Time 10:32

Result Time 10:31

Result Date 18 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:25

Data Type BLK

Sample Value 0.000

Sample Time 10:26

Data Type CHK

Sample Value 0.103

Sample Time 10:26

Data Type BLK

Sample Value 0.000

Sample Time 10:28

Data Type SUBJ

Sample Value 0.000

Sample Time 10:28

Data Type BLK

Sample Value 0.000

Sample Time 10:29

Data Type SUBJ

Sample Value 0.000

Sample Time 10:31

Data Type BLK

Sample Value 0.000

Sample Time 10:32

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG201104-15

Standard Expiration Date 01/11/2014

Tank Pressure 272

Barometric Pressure 769 mmHg

Blow Sample Number 1 Blow Duration 3.59 sec

Blow Volume 1756 cc End-of-Blow Time 10:28

Blow Sample Number 2 Blow Duration 3.50 sec

Blow Volume 1750 cc End-of-Blow Time 10:31

Tamper Evident Stamp 9e4abb83

Test Status Code 0

Test Status Success

thg
msh

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010467

System Date: 09/18/2013

System Time: 10:54 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS
MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010467 Test Number: 2020

Test Date: 09/18/2013 Test Time: 10:57 EDT

Dry Gas Target: 0.101

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 723 psi Barometric Pressure: 769 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:57
CAL	0.101	10:58

Test Status: *Success*

Calibration CRC: 0A62B03A

HMS
ADK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010467 Test Number: 2021
Test Date: 09/18/2013 Test Time: 11:01 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.253

Lot Number: 29612250I2-08 Exp Date: 11/01/2014

Tank Pressure: 732 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:01
BLK	0.000	11:02
CHK	0.250	11:03
BLK	0.000	11:04
CHK	0.249	11:05
BLK	0.000	11:06
CHK	0.249	11:07
BLK	0.000	11:08

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010467 Test Number: 2022

Test Date: 09/18/2013 Test Time: 11:10 EDT

Technician Initials: HMS

Dry Gas Target: 0.152

Lot Number: 0771315013-04 Exp Date: 05/01/2015

Tank Pressure: 223 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:10
BLK	0.000	11:11
CHK	0.152	11:12
BLK	0.000	11:13
CHK	0.152	11:14
BLK	0.000	11:15
CHK	0.152	11:16
BLK	0.000	11:17

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
NSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010467 Test Number: 2023
Test Date: 09/18/2013 Test Time: 11:19 EDT

Technician Initials: HMS

Dry Gas Target: 0.081

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 281 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:19
BLK	0.000	11:20
CHK	0.080	11:21
BLK	0.000	11:22
CHK	0.080	11:23
BLK	0.000	11:24
CHK	0.080	11:25
BLK	0.000	11:26

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS

NSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010467 Test Number: 2024
Test Date: 09/18/2013 Test Time: 11:27 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 316 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:27
BLK	0.000	11:28
CHK	0.019	11:29
BLK	0.000	11:30
CHK	0.019	11:31
BLK	0.000	11:32
CHK	0.019	11:33
BLK	0.000	11:34

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

hms
nsk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010467 Test Number: 2025

Test Date: 09/18/2013 Test Time: 11:36 EDT

Dry Gas Target: 0.303

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 404 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:37
CHK	0.303	11:38
BLK	0.000	11:39
CHK	0.303	11:40
BLK	0.000	11:42
CHK	0.302	11:43

Test Status: *Success*

Calibration CRC: 0A62B03A

tho
msk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010467 Test Number: 2026

Test Date: 09/18/2013 Test Time: 11:45 EDT

Dry Gas Target: 0.101

Lot Number: AG316301-28 Exp Date: 06/12/2015

Tank Pressure: 1120 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:45
CHK	0.100	11:46
BLK	0.000	11:48
CHK	0.100	11:48
BLK	0.000	11:50
CHK	0.100	11:51

Test Status: *Success*

Calibration CRC: 0A62B03A




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

lms
rsk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/18/2013
TEST EQUIPMENT NUMBER 010467		

RESULTS: TIME SAMPLE TAKEN 11:58 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 20 Sep 2013 at 08:40

AMS
NRK

Test Results

Instrument Serial Number 010467

Test # 002027 Subject Test

Test Location 1 Department of
Test Date 18 Sep 2013

Test Location 2 Forensic Science
Test Time 11:52
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 18 Sep 2013 End Time 11:59

Result Time 11:58

Result Date 18 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:52

Data Type BLK

Sample Value 0.000

Sample Time 11:53

Data Type CHK

Sample Value 0.100

Sample Time 11:54

Data Type BLK

Sample Value 0.000

Sample Time 11:55

Data Type SUBJ

Sample Value 0.000

Sample Time 11:56

Data Type BLK

Sample Value 0.000

Sample Time 11:57

Data Type SUBJ

Sample Value 0.000

Sample Time 11:58

Data Type BLK

Sample Value 0.000

Sample Time 11:59

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG316301-28

Standard Expiration Date 06/12/2015

Tank Pressure 1115

Barometric Pressure 768 mmHg

Blow Sample Number 1 Blow Duration 3.39 sec

Blow Volume 1738 cc End-of-Blow Time 11:56

Blow Sample Number 2 Blow Duration 3.56 sec

Blow Volume 1740 cc End-of-Blow Time 11:58

Tamper Evident Stamp 7a804bb3

Test Status Code 0

Test Status Success